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The

WHITE PINE

SERIES OF

Architectural Monographs

Volume VII *Number 4*

Designs for a THREE TEACHER RURAL SCHOOL

With Teachers' Cottage

To be built *of* WHITE PINE

With report of the Jury of Architects

James O Betelle : Wm B Ittner
Guy Lowell : Arthur I Meigs
Irving K Pond

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White Pine Bureau
saint paul, minnesota

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An Architectural MONOGRAPH

on a

THREE TEACHER RURAL SCHOOL

With Teachers' Cottage

To be built *of*
WHITE PINE

Competitive Drawings

With report *of* the Jury *of* Architects

James O Betelle: Wm B Ittner
Guy Lowell: Arthur I Meigs
Irving K Pond

Prepared for Publication by
Russell F Whitehead formerly Editor
of The Architectural Record
and The Brickbuilder
132 Madison Ave. New York N.Y.
1921

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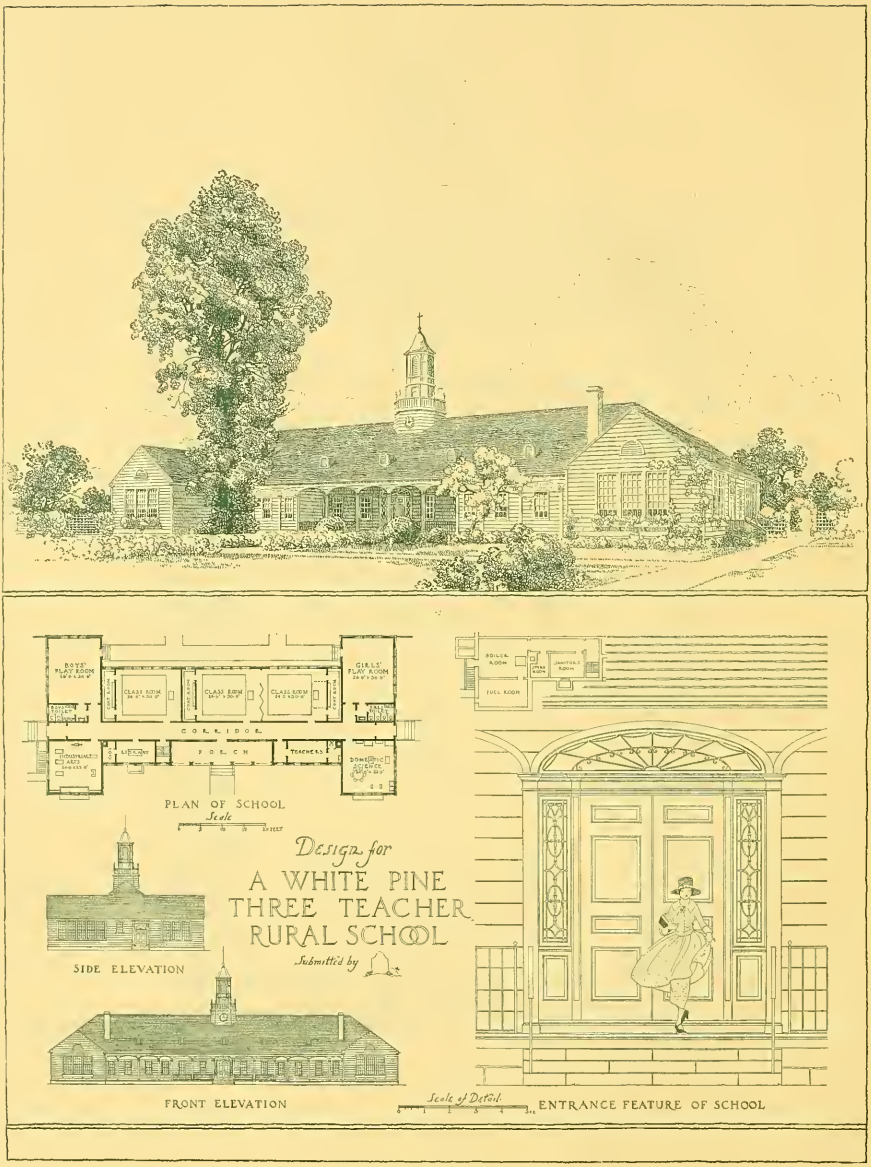


FIRST PRIZE DESIGN

Submitted by Antonio DiNardo and W. Frank Hitchens, Pittsburgh, Pa.

Jan. 1922

The WHITE PINE SERIES of ARCHITECTURAL MONOGRAPHS

A BI-MONTHLY PUBLICATION SUGGESTING THE ARCHITECTURAL USES OF WHITE PINE AND ITS AVAILABILITY TODAY AS A STRUCTURAL WOOD

VOL. VII AUGUST, 1921 No. 4

A THREE-TEACHER RURAL SCHOOL

WITH TEACHERS' COTTAGE

REPORT OF THE JURY OF AWARD OF THE SIXTH ANNUAL WHITE PINE ARCHITECTURAL COMPETITION

Judged at Yama Farms, Napanoch, N. Y., May 6 and 7, 1921

PROBLEM: A. The design of a three-teacher rural school building to be built of wood—all outside finish to be of White Pine. The school property is level and contains about five acres. It is located on the east side of the main street of the village, which runs north and south, and between two minor roads, making a frontage of the property of three hundred feet on the main street and a depth of seven hundred feet to a property line. The building is to be kept well back from the main street and the front portion of the property developed and used as a small Park or Village Green. The requirements are as follows.

Building to be one story with or without a basement, or with basement partially excavated for boiler and fuel rooms.

Three standard class rooms, each with an area of 720 square feet, and seating 40 pupils each. Two of these rooms separated by folding partitions.

Ceiling heights not less than 12′ 0″ in clear.

Class rooms lighted from left side only. Windows in one long bank. Heads of windows as close to ceiling as possible. Net glass area of windows to equal not less than 20% of the class room floor area.

Adjoining each class room shall be provided a coat room for the pupils' clothing.

An industrial art room shall be provided for boys, equal in area from ½ to ¾ of a class room. Net glass area to be same proportion as called for in class room, but windows may be on one or two sides of the room.

A domestic science room for girls, equal in area from ½ to ¾ of a class room. Net glass area to be same proportion as called for in class room, but windows may be on one or two sides of room.

A room for library, 150 to 200 square feet.

A teachers' room with toilet accommodations and about the same size as library.

Toilet room for boys, containing two W. C.'s and three urinals and two lavatories.

Toilet rooms for girls, containing four W. C.'s and two lavatories.

A play room for boys, equal to about a class room in area.

A play room for girls, equal to about a class room in area.

These play rooms may be either in the basement or on main floor. In any case, they must be adjacent to and the toilet rooms made available, as these play rooms are used before and after school and in summer time when the main portion of school is closed. Toilet rooms should also be easily accessible from the main part of school building. Play rooms must be directly accessible from outside of building and also accessible to main portions of building from the inside.

Two or more entrances must be provided.

A flag-pole, higher than the school building, must be located on the property in a dignified position.

The building will be heated and ventilated by a hot-air furnace or steam boiler. Therefore, a furnace room and a fuel room are necessary, also a small general storage room, janitor's room, etc.

Electricity, water and sewerage facilities are supplied by the village. For this reason the school will not have the usual outside drinking pumps, toilets, etc., but will have modern city conveniences.

The architectural style is optional.

B. The design of a teachers' cottage—construction materials similar to those of school building. The requirements are as follows:

Living room with fireplace, area 225 square feet.

Dining room, area about 150 square feet.

Kitchen and accessories, area about 130 square feet.

Three teachers' bedrooms with clothes closets, area about 125 square feet each.

Bath room; closet for trunks; and a porch.

The teachers' cottage may be one story or two stories in height, at the option of the designer. It should have a domestic character, but correspond in general architectural style to the school building.

THE programme for the Sixth Annual Architectural Competition, instituted by the Editor of *The White Pine Series of Architectural Monographs*, called for a school building and teachers' cottage, to be erected in a progressive community, where the desire was for buildings which would be expressive of the purpose for which they were to be used, and which would set a high standard of good taste and architectural beauty.

The author of the programme realized that this type of building was one not often encountered in the average architectural practice, and that, therefore, the contestant would have to exercise a greater degree of ingenuity than when working out a problem for which there was ample precedent. The specific conditions of the problem, therefore, necessarily were made fairly precise and definite. If it had been possible to make the programme a little "looser," and thereby have allowed a greater latitude of thought and a greater degree of imagination, perhaps it might have made for an even more interesting problem. If the somewhat inelastic

terms of the programme intimidated a number of possible contestants, or if the majority of designers lack initiative to solve an unfamiliar problem, we would consider it a most unfortunate augury for the future of the architectural profession.

Eighty-four sets of drawings were submitted in the competition, and, while none of the designs was highly imaginative in conception nor strikingly original in character, yet a fair average in plan and elevation was maintained, making the task of differentiation a not altogether agreeable or satisfying one to the Jury of Award, but making it a pleasure for the Jury to comment favorably upon several designs, which, in the process of selection, did not fall into the "Premiated" nor "Mention" classes.

FIRST PRIZE DESIGN. Submitted by Antonio DiNardo and W. Frank Hitchens, of Pittsburgh, Pa. Architecture, being a three-dimensional subject, cannot be considered otherwise, and, therefore, it becomes not a question of plan *or* elevation, but a question of plan *and* elevation. This design had a well articulated plan which functioned admirably, and an elevation possessing the charm of light and shade and shadow. The "porch," both as a practical and as an æsthetic feature, is attractive.

SECOND PRIZE DESIGN. Submitted by William D. Foster, of New York, N. Y. As between the design placed first and that placed second, there was no great difference in merit. The ample sunlit corridor presents an attractive feature excelled by no competitor. The plan turns the most attractive elevation of the building away from the Village Green. The location of the play rooms and their correlation with the out-of-door play spaces and toilets, the location of the special rooms with respect to the class rooms, are admirable features of this fine open plan.

The one-story teachers' cottage is attractive exteriorly, but not well studied as to plan, the living room being turned, necessarily, into a runway, interfering with its use as a center of social life. The kitchen is not any too well equipped with pantries or storage closets.

THIRD PRIZE DESIGN. Submitted by Chauncey F. Hudson, of Buffalo, N. Y. This plan fell into the interior corridor type, and so loses somewhat of the attractiveness of the first and second prize designs. Nor do the toilet and play rooms, as to arrangement, quite reach the standard set by those designs. The location of the special rooms—industrial arts and domestic science—is not as good as in the two preceding plans. The character of the exterior is rich in quiet, rural charm, lacking in too many of the designs submitted.

FOURTH PRIZE DESIGN. Submitted by Robbins L. Conn, of New York, N. Y. Like the design placed third, a long interior corridor was introduced into this design. The relation of the play rooms and toilets to the special rooms is good, as is also the correlation of the library and of the teachers' room with the class rooms. Also, like the third prize design, the elevations adequately express that which is most characteristic of rural surroundings, a leisurely charm.

FIRST MENTION. Submitted by Alfred Cookman Cass, of New York, N. Y.

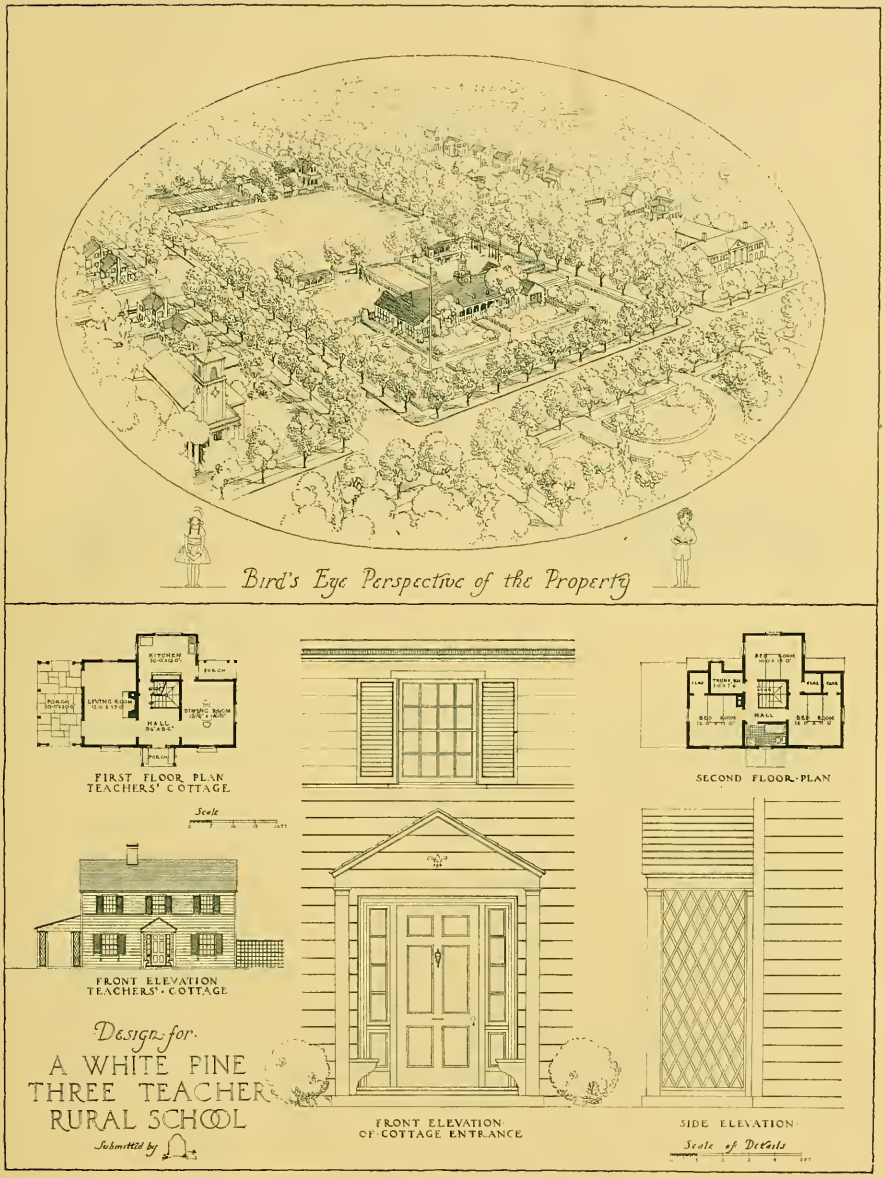
SECOND MENTION. Submitted by David W. Carlson and Emil A. Lehti, of New York, N. Y. Of the designs to receive Mention, of which there were six, two seemed worthy of being given a definite place, and the Jury takes pleasure in according them this recognition. The First Mention is quite "academic" in design, that is, suggestive of the old "academies," yet rural in character; while the Second Mention has a decidedly free and picturesque quality. The interior toilet in connection with the teachers' room in this design is a blemish in the plan which a bit of practical surgery might remove. The setting of the "academic" design is attractive.

MENTIONS. The four remaining designs to receive mention were submitted by William J. Mooney and Harold A. Rich, of Boston, Mass.; Charles H. Dornbusch and Erick N. Kaeyer, New York, N. Y.; Leon H. Hoag, Bloomfield, N. J.; and Paul Hyde Harbach, Buffalo, N. Y.

The design submitted by Messrs. Mooney and Rich was the simplest and most appropriate of the designs which featured a tower, of which there were six in the competition. The plan is compact and well arranged, its principal weakness, except for the cramped vestibule, lying in the dark corridor terminating in the toilet rooms rather than in points of light. An otherwise dark corridor may be saved and even made attractive by opening up the ends to the light.

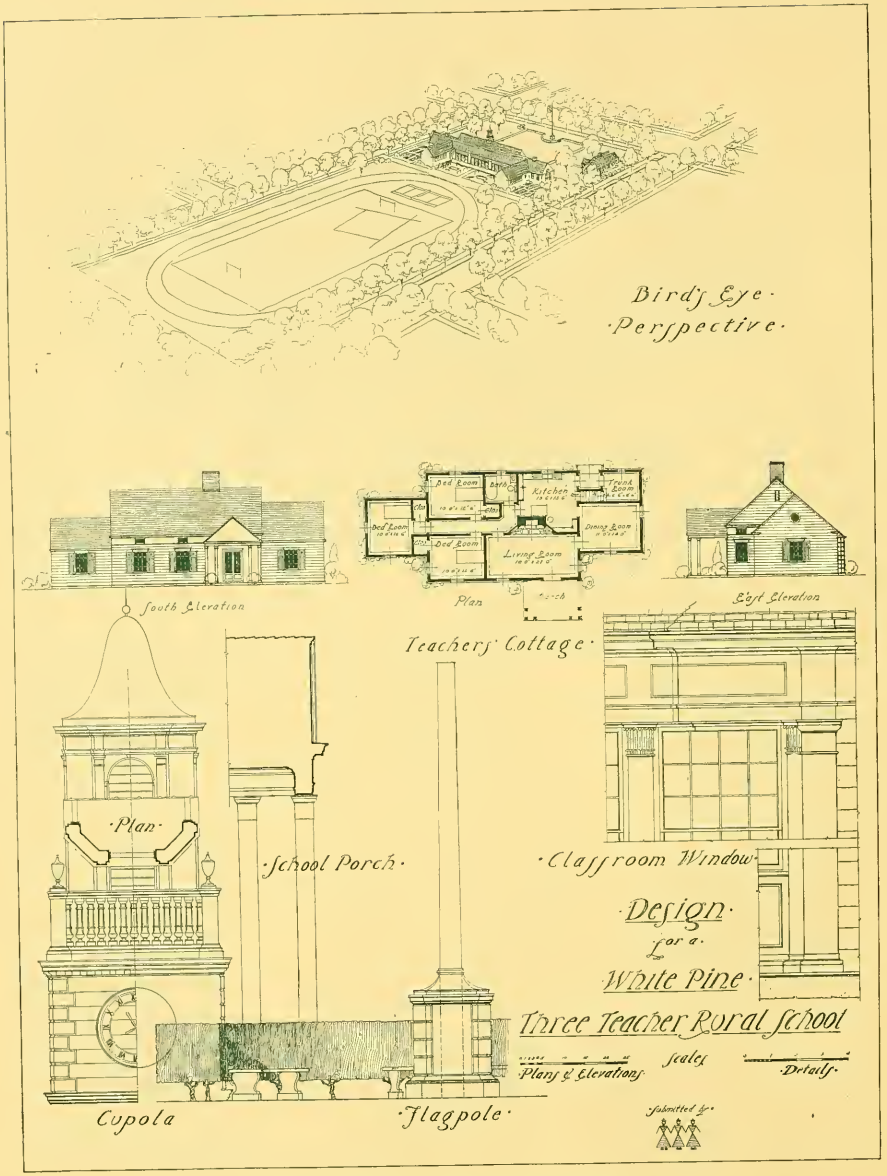
The design submitted by Messrs. Dornbusch and Kaeyer, while extremely attractive in its terraced approaches, suffers from a lack of relationship between the wings, and a central feature which is attenuated and inadequate. The corridor is satisfying. Mr. Harbach's design is good of its type, with a well considered plan, and an

(*Continued on page twenty-four*)



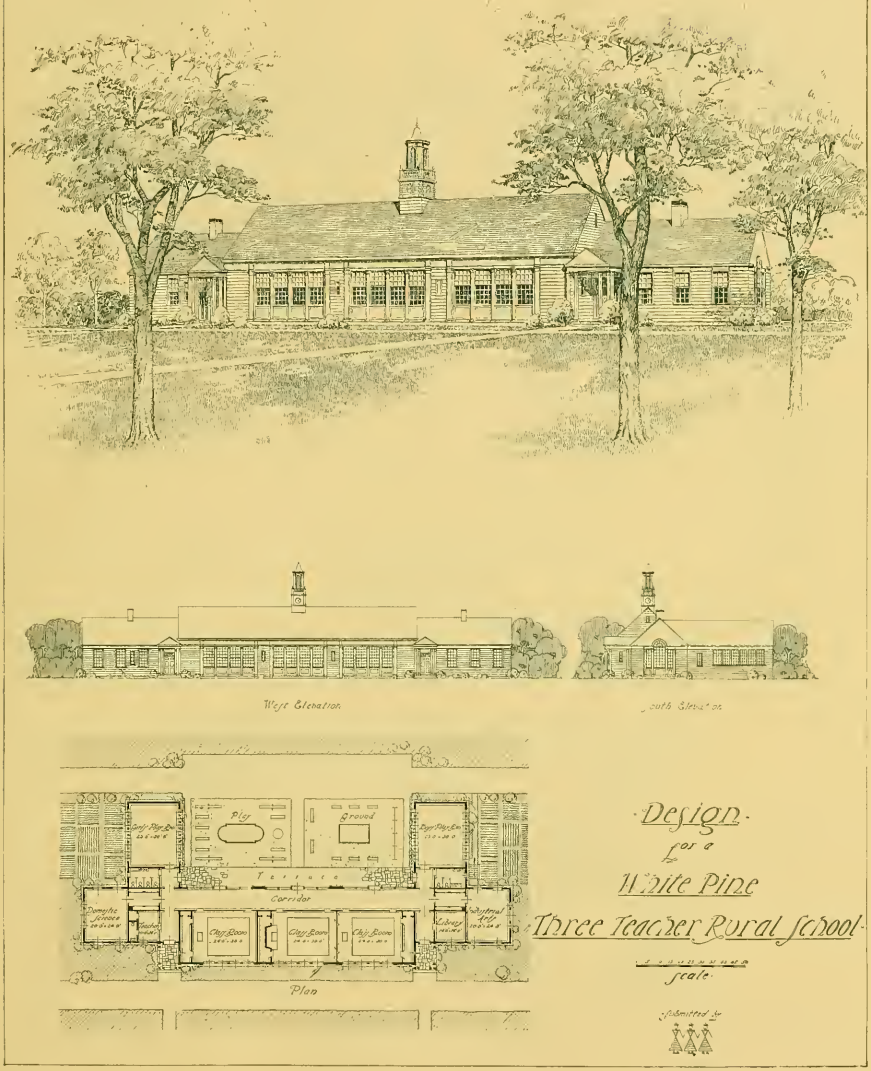
FIRST PRIZE DESIGN, Detail Sheet

Submitted by Antonio DiNardo and W. Frank Hitchens, Pittsburgh, Pa.



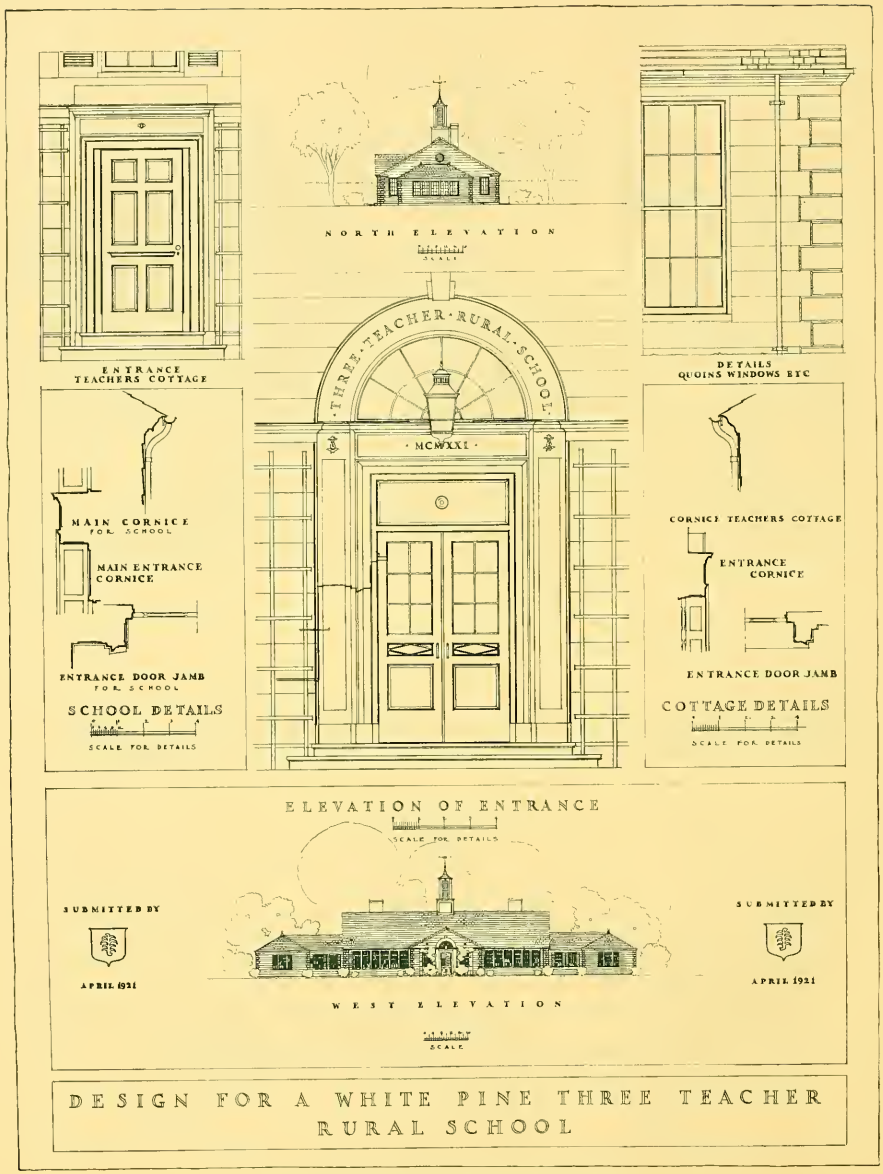
SECOND PRIZE DESIGN, Detail Sheet

Submitted by William D. Foster, New York, N. Y.



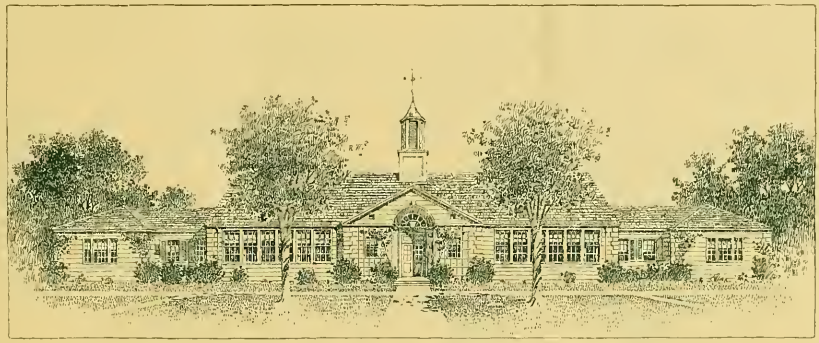
SECOND PRIZE DESIGN

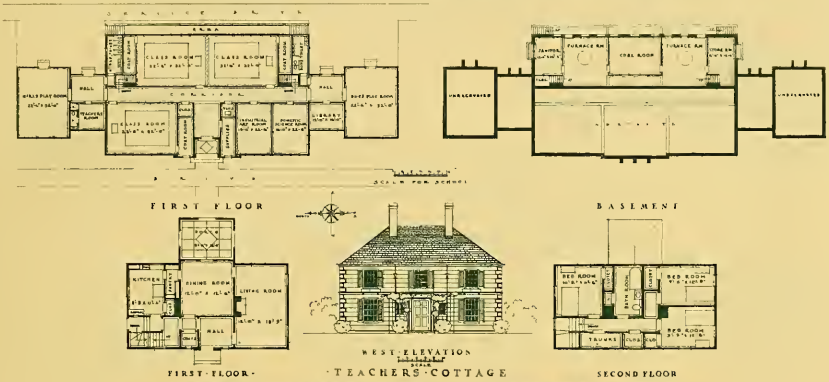
Submitted by William D. Foster, New York, N. Y.

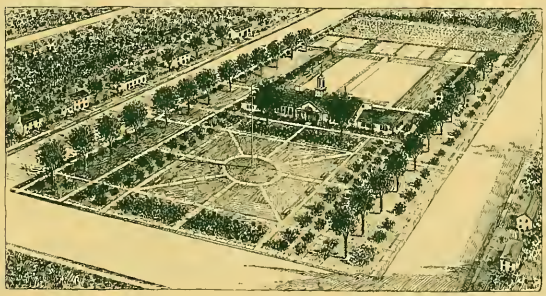


THIRD PRIZE DESIGN, Detail Sheet

Submitted by Chauncey F. Hudson, Buffalo, N. Y.







SUBMITTED BY

APRIL 1924

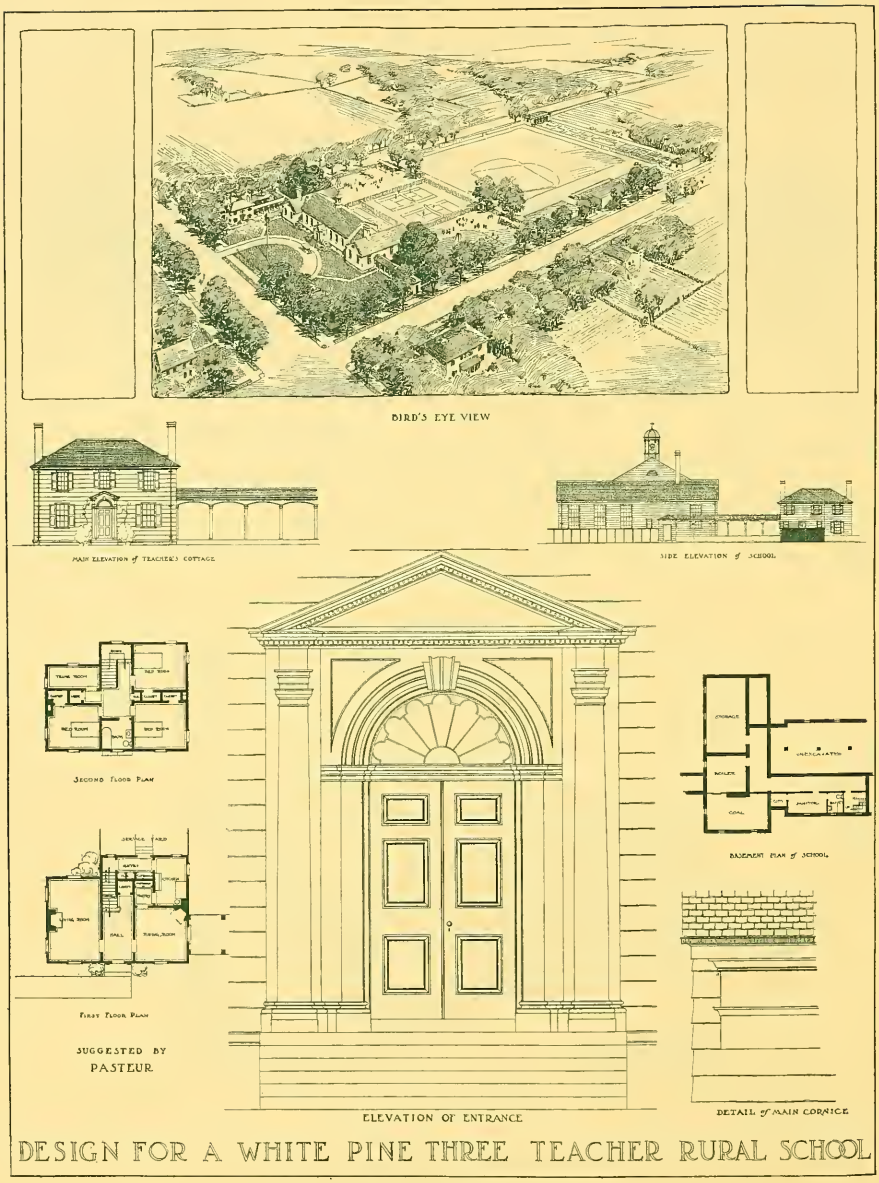
SUBMITTED BY

APRIL 1924

DESIGN FOR A WHITE PINE THREE TEACHER RURAL SCHOOL

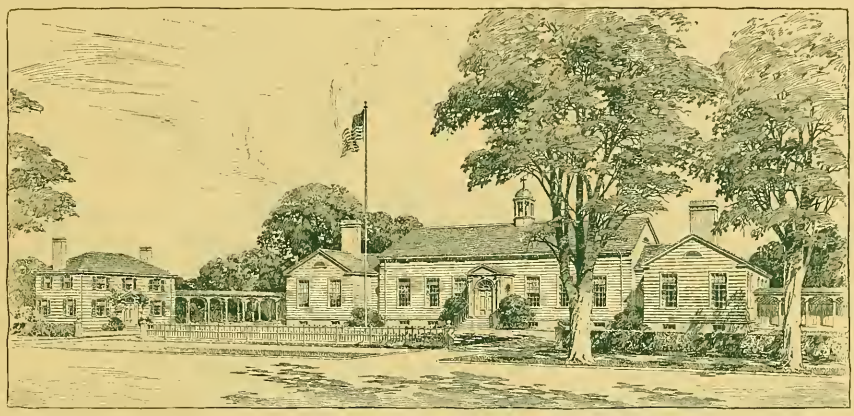
THIRD PRIZE DESIGN

Submitted by Chauncey F. Hudson, Buffalo, N. Y.

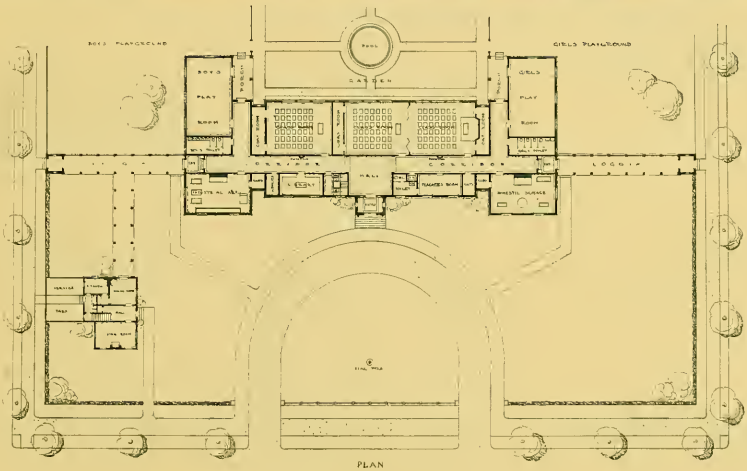

BIRD'S EYE VIEW
MAIN ELEVATION of TEACHER'S COTTAGE
SIDE ELEVATION of SCHOOL
SECOND FLOOR PLAN
FIRST FLOOR PLAN
SUGGESTED BY PASTEUR
ELEVATION OF ENTRANCE
BASEMENT PLAN of SCHOOL
DETAIL of MAIN CORNICE
DESIGN FOR A WHITE PINE THREE TEACHER RURAL SCHOOL

FOURTH PRIZE DESIGN, Detail Sheet

Submitted by Robbins L. Conn, New York, N. Y.



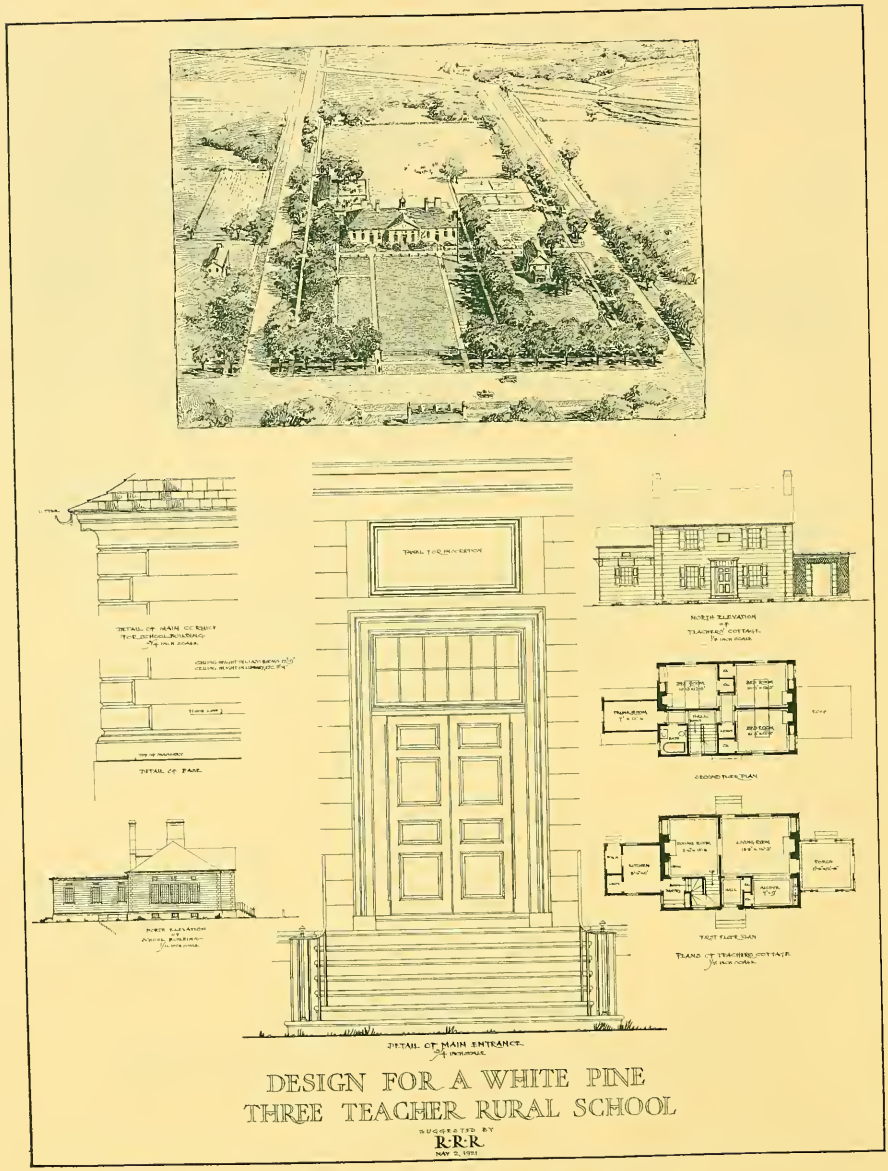
PERSPECTIVE



DESIGN FOR A WHITE PINE THREE TEACHER RURAL SCHOOL

FOURTH PRIZE DESIGN

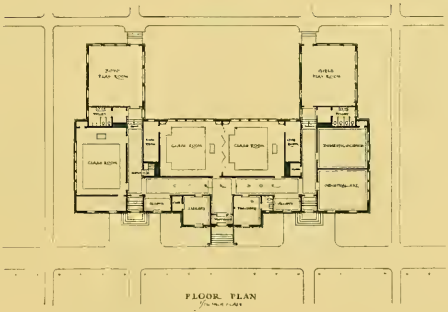
Submitted by Robbins L. Conn, New York, N. Y.



FIRST MENTION, Detail Sheet

Submitted by Alfred Cookman Cass, New York, N. Y.

FRONT ELEVATION



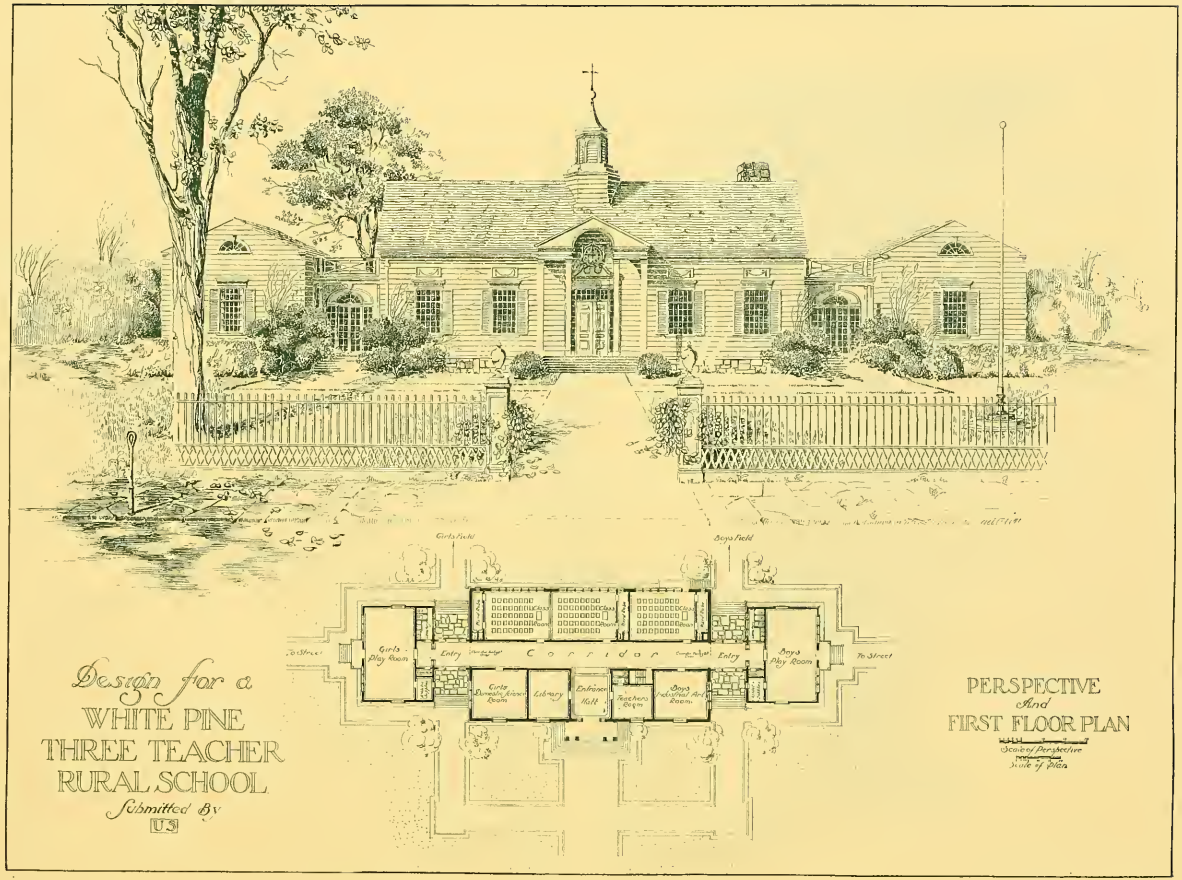
FLOOR PLAN

DESIGN FOR A WHITE PINE
THREE TEACHER RURAL SCHOOL

SUGGESTED BY
R·R·R
MAY 9, 1921

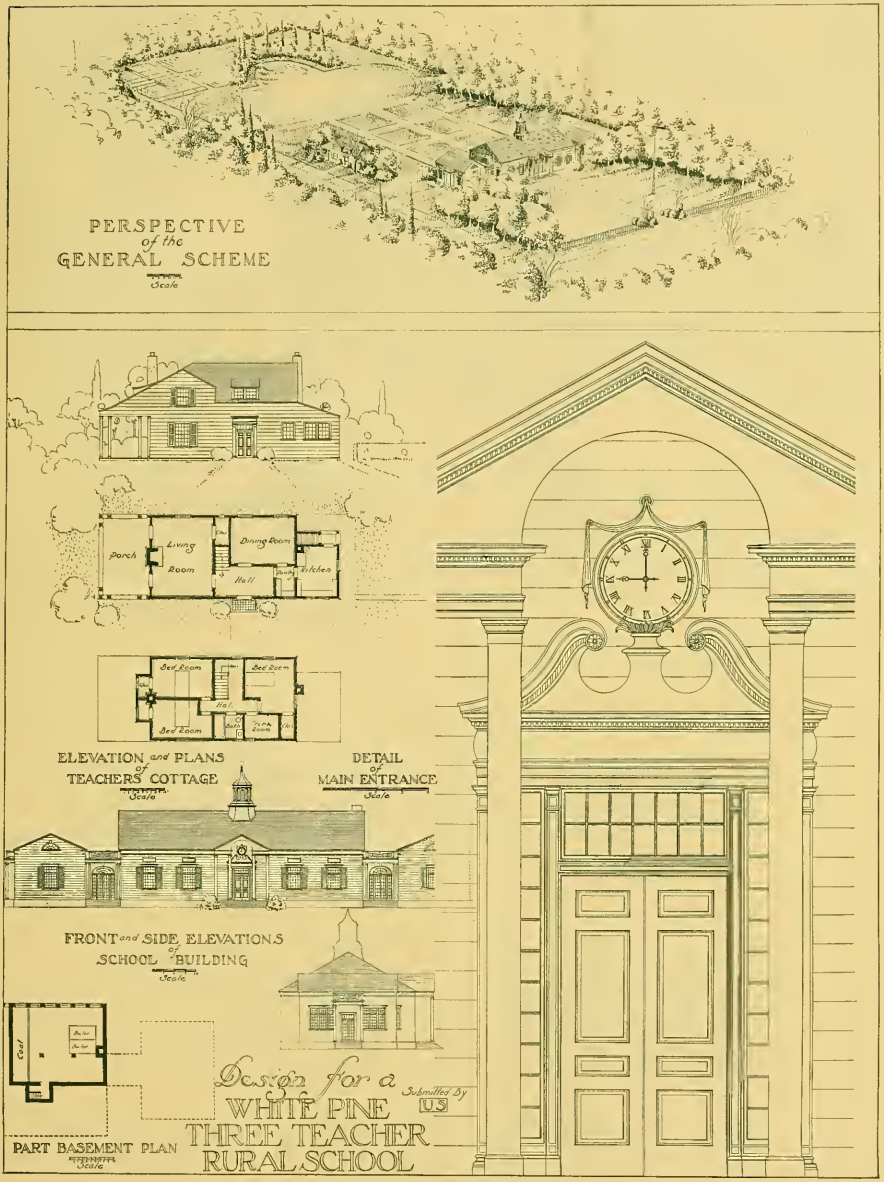
FIRST MENTION

Submitted by Alfred Cookman Cass, New York, N. Y.



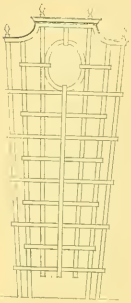
SECOND MENTION

Submitted by David W. Carlson and Emil A. Lehti, New York, N. Y.



SECOND MENTION, Detail Sheet

Submitted by David W. Carlson and Emil A. Lehti, New York, N. Y.



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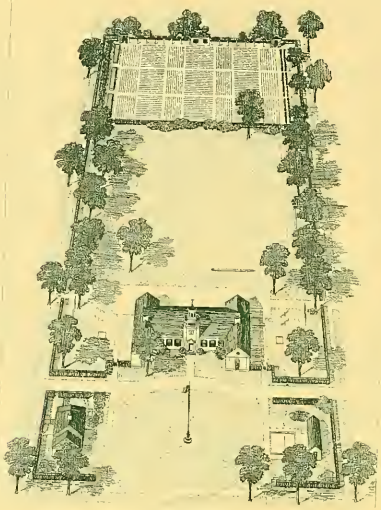
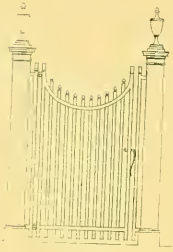


Birds-Eye Perspective



Details

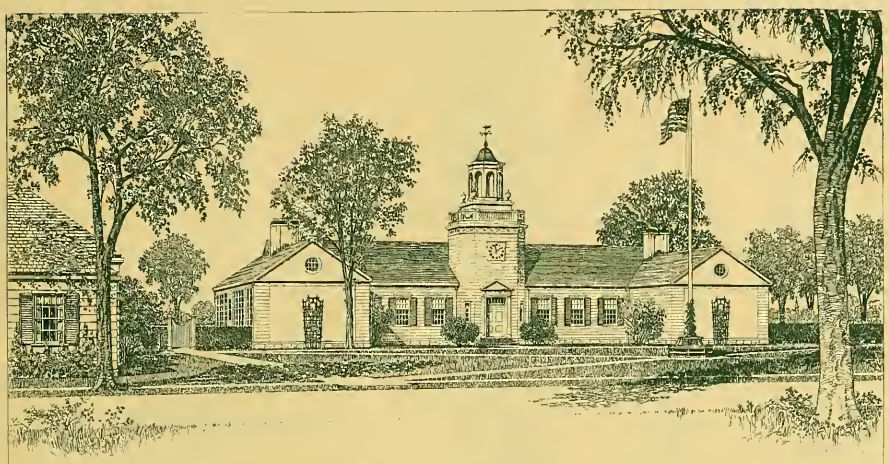
Scale of Details

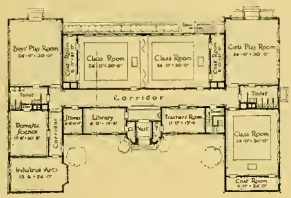
Main Entrance

Design for a White Pine Three Teacher Rural School

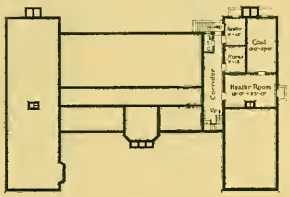
MENTION, Detail Sheet

Submitted by William J. Mooney and Harold A. Rich, Boston, Mass.





First Floor Plan



Basement Plan

Front Elevation

Side Elevation

Scale of Schoolhouse

First Floor Plan

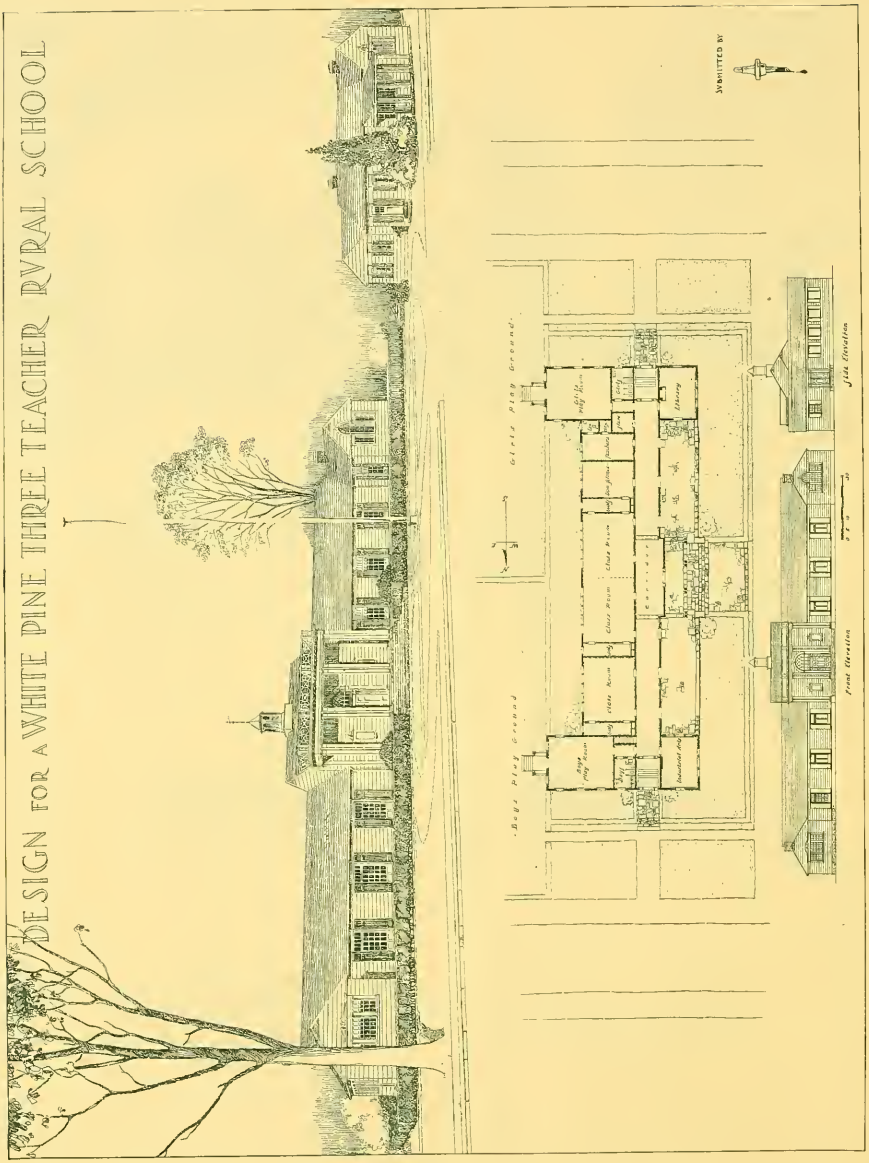
Street Elevation

Scale of Teachers Cottage

Design for a White Pine Three Teacher Rural School

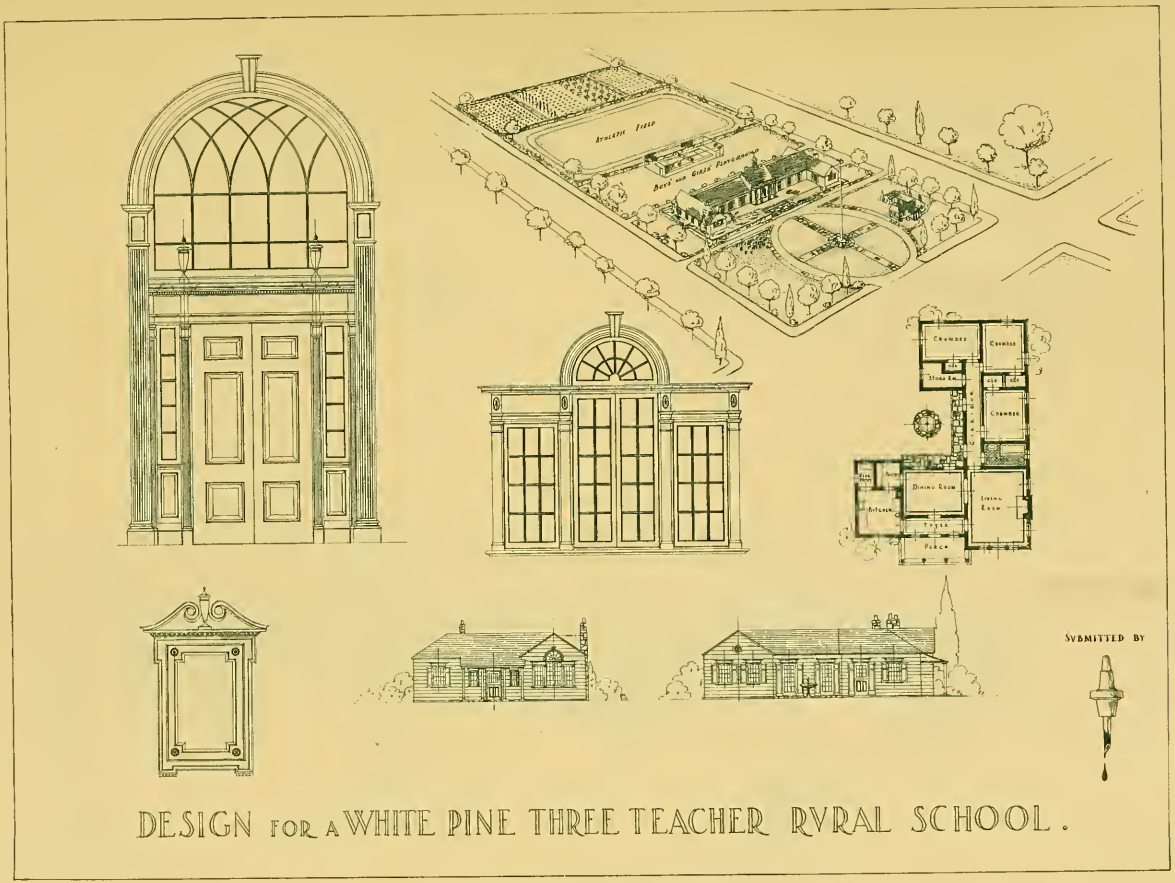
MENTION

Submitted by William J. Mooney and Harold A. Rich, Boston, Mass.



MENTION

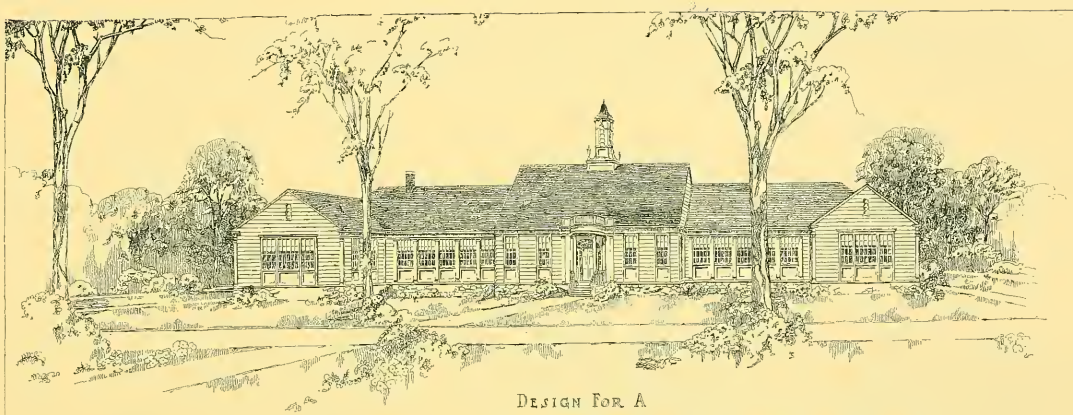
Submitted by Charles H. Dornbusch and Erick N. Kaeyer, New York, N. Y.



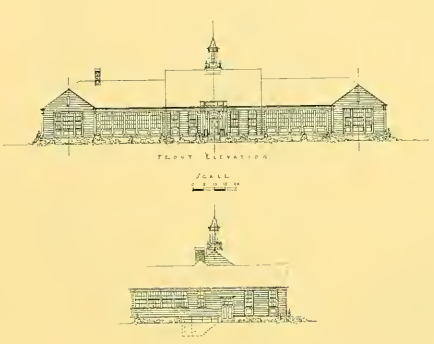
DESIGN FOR A WHITE PINE THREE TEACHER RURAL SCHOOL.

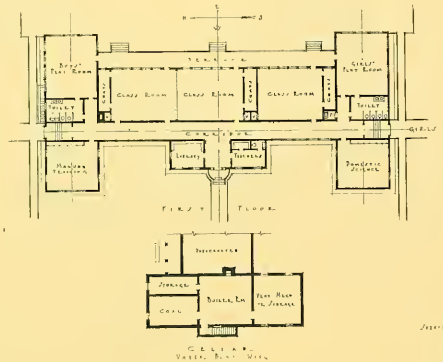
MENTION, Detail Sheet

Submitted by Charles H. Dornbusch and Erick N. Kaeyer, New York, N. Y.



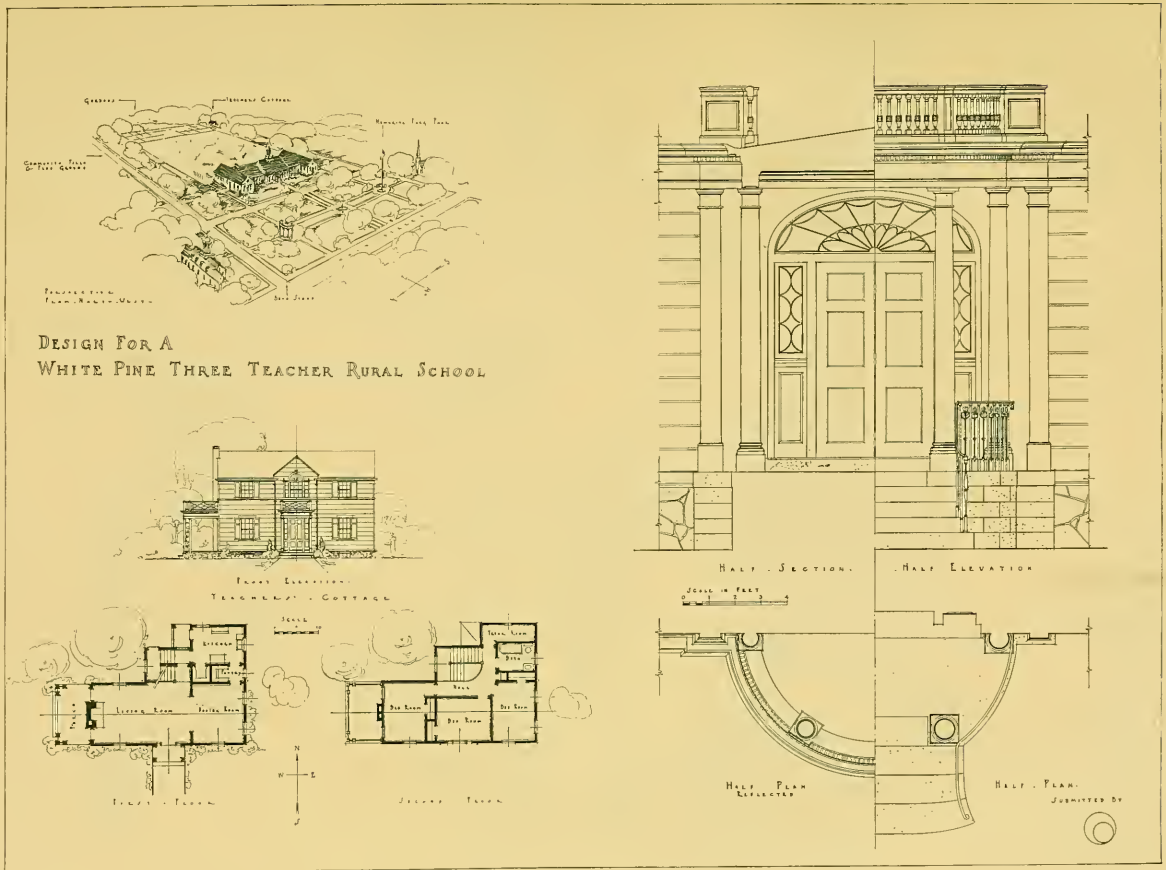
DESIGN FOR A
WHITE PINE THREE TEACHER RURAL SCHOOL





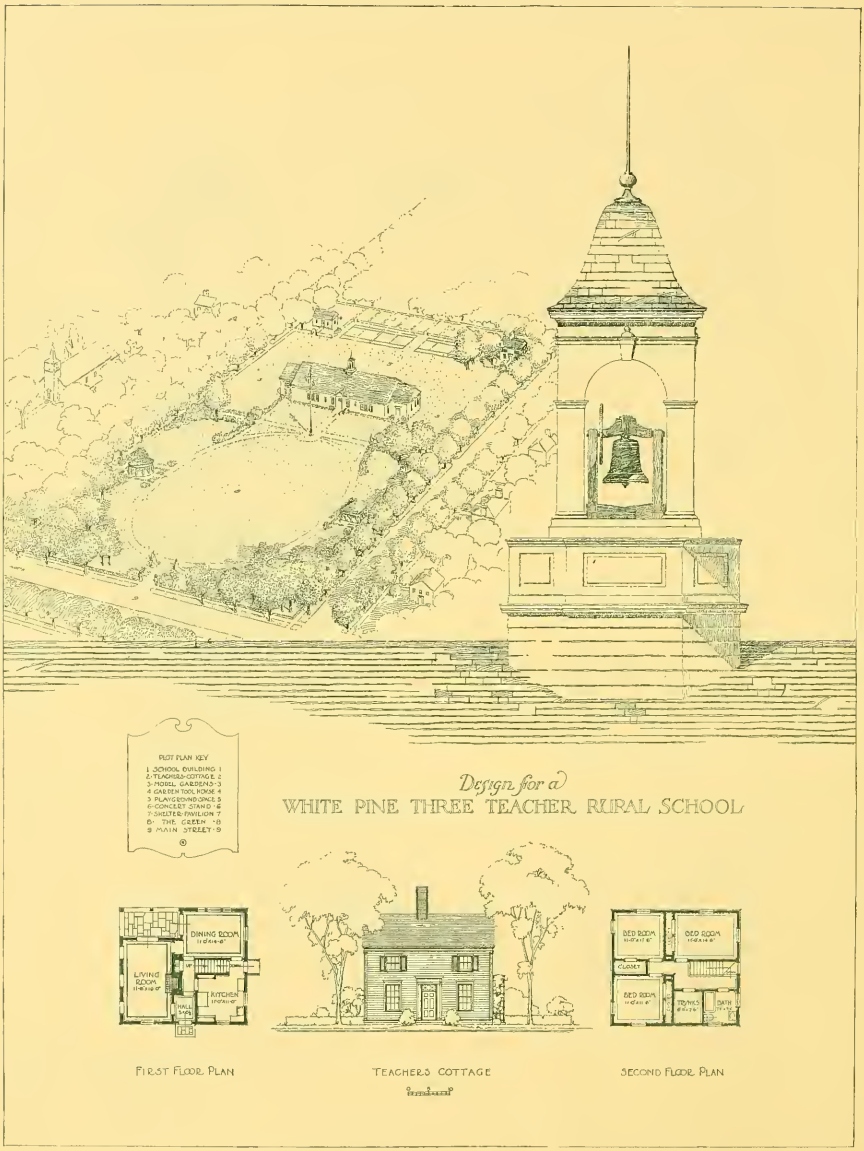
MENTION

Submitted by Leon H. Hoag, Bloomfield, N. J.



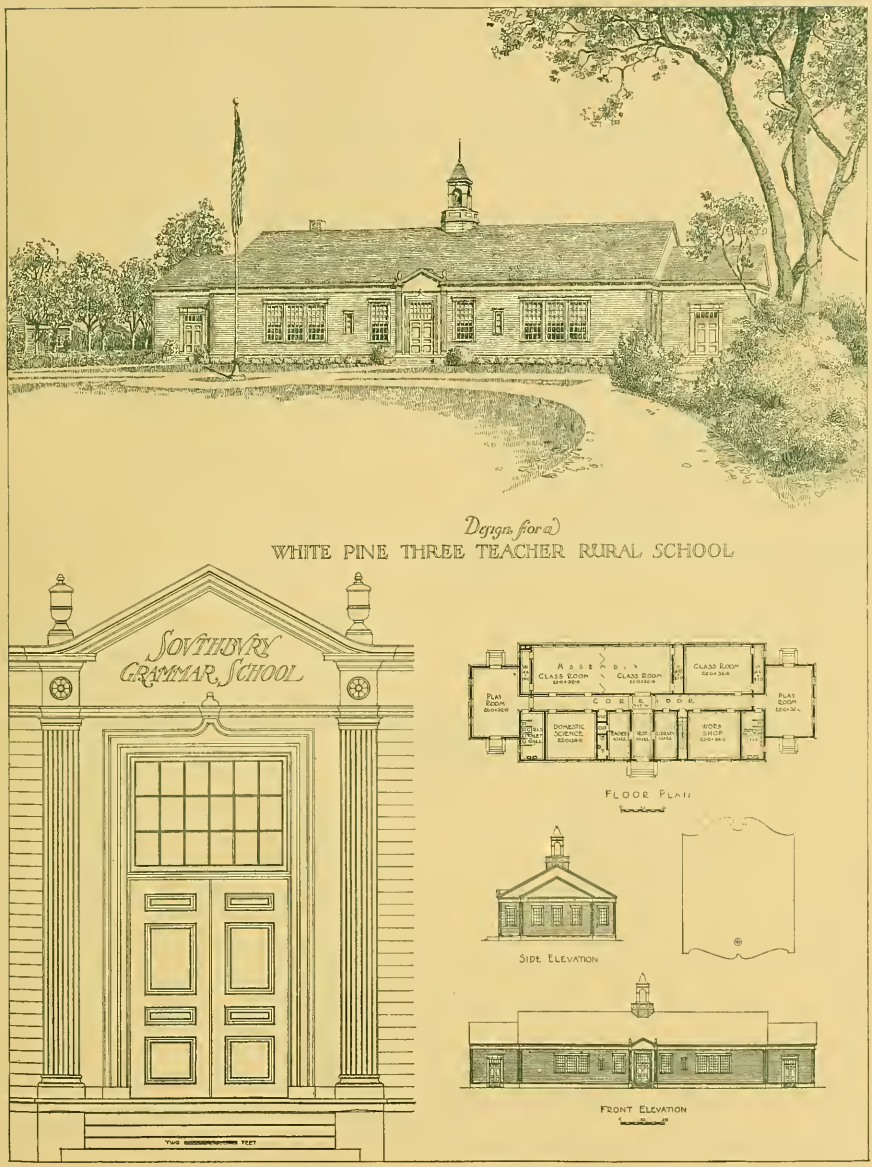
MENTION, Detail Sheet

Submitted by Leon H. Hoag, Bloomfield, N. J.



MENTION, Detail Sheet

Submitted by Paul Hyde Harbach, Buffalo, N. Y.



MENTION

Submitted by Paul Hyde Harbach, Buffalo, N. Y.

exterior well balanced, but not too replete with points of interest. Mr. Leon H. Hoag's design, concluding the list of those to receive mention, has many good points in plan, together with an exterior which would have been much more attractive and effective had its rather ænemic porch been made to hold its own with the unnecessarily expansive grouped windows of the corridor.

These ten designs noted above and recognized with prizes and mentions were not alone in merit among the eighty-four exhibits. It may not be invidious to mention certain others, which, while not reaching the standard set by the "Premiated" and "Mentioned" designs, in the matter of exterior treatment and in the character of the block plans present school-house and cottage plans almost, if not quite, on a par with those submitted by their more fortunate competitors. Thus, the design submitted by Ralph H. Hannaford, of Boston, Mass., presents a plan with a sunlit corridor and terraced forecourt which functioned most satisfactorily. Its exterior seemed to be too monumental in character to fit the material and the conditions. A plan in a manner similar, though not so attractively presented nor conceived, was submitted by George Marshall Martin, of Louisville, Ky. Messrs. Wicks and Hopkins and Ernest Crimi, of Buffalo, N. Y., submitted a compact plan, with an interior corridor, which develops into a too austered and shadeless exterior. The scheme presented by Messrs. Ralph T. Walter and Fred R. Lorenz, of New York, N. Y., has an interior, end lighted, spacious corridor, with well arranged rooms. The open porches in connection with the play rooms might well have been adopted by others. The absence of a teachers' toilet, called for in the programme, is a fault.

A review of the designs discloses the fact, or the seeming fact, that previous issues of the White Pine publications have been studied to some effect. What has been presented in previous competitions, as well as what has been built of white pine from Colonial times down, has made its impress. The general uniformity in the designs betokens a subservience to tradition which rather has hindered the flow of originality which competitions of this character might well be counted upon to bring out.

JAMES O. BETELLE
WM. B. ITTNER
GUY LOWELL
ARTHUR I. MEIGS
IRVING K. POND, *Chairman*

Jury of Award

List of Members of

THE NORTHERN PINE MANUFACTURERS' ASSOCIATION OF MINNESOTA, WISCONSIN AND MICHIGAN

W. T. Bailey Lumber Company	Virginia, Minn.
Cloquet Lumber Company	Cloquet, Minn.
Crookston Lumber Company	
Headquarters	Minneapolis, Minn.
Mills	Bemidji, Minn.
Johnson-Wentworth Company	Cloquet, Minn.
The J. Neils Lumber Company	Cass Lake, Minn.
The Northern Lumber Company	Cloquet, Minn.
Northern Pole & Lumber Company	Duluth, Minn.
Rust-Owen Lumber Company	Drummond, Wis.
Shevlin-Clarke Company, Ltd.	
Headquarters	Minneapolis, Minn.
Mill	Fort Frances, Ont.
The Virginia & Rainy Lake Company	Virginia, Minn.

List of Members of

THE ASSOCIATED WHITE PINE MANUFACTURERS OF IDAHO

Blackwell Lumber Company	Coeur d'Alene, Idaho
Bonners Ferry Lumber Company	Bonners Ferry, Idaho
Dover Lumber Company	Dover, Idaho
Humbird Lumber Company	Sandpoint, Idaho
McGoldrick Lumber Company	Spokane, Wash.
Milwaukee Land Company	St. Joe, Idaho
Panhandle Lumber Company	Spirit Lake, Idaho
Potlatch Lumber Company	Potlatch, Idaho
Roselake Lumber Company	Roselake, Idaho
Edward Rutledge Timber Company	Coeur d'Alene, Idaho
Winton Lumber Company	Gibbs, Idaho

Any information desired regarding White Pine will be furnished by any member of either Association or by the

WHITE PINE BUREAU

Merchants Bank Building, Saint Paul, Minnesota

Representing

The Northern Pine Manufacturers' Association of Minnesota, Wisconsin and Michigan and The Associated White Pine Manufacturers of Idaho

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